Sh	eet	1	of	8
		_		_

Form PTO-14	49	U.S. DEPARTME	NT OF COMMERC	E	ATTY, DOCKET NO.	-	SERIAL NO	
(MODIFIED)		PATENT AND TR	ADEMARK OFFICE	ε	77056-35	9		
					APPLICANT			
INFO	PMATI	ON DISCLOSURE	CITATION			Jace N. Gree	en et al.	
					FILING DATE		GROUP AR	
	(Use s	everal sheets if neces	ssary)					
			U.S. PAT	EN	T DOCUMENTS			, and the second
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
		Re 30,254	04/08/80 F	Rası	mussen			
		Re 31,129	01/18/83 F	Rası	mussen			
	<u> </u>	1,764,789	06/17/30 H	lea	d			
		1,937,342	11/28/33 I	ligb	ie			
	<u></u>	2,020,639	11/12/35	Gray	son et al.	<del> </del>		,
		2,029,675	02/04/36	Schl	amp		<del>-  </del>	
		2,110,145	03/08/38 L	_oel	nr			
		2,140,049	12/13/38	Grai	ıel	<del> </del>		
		2,201,356	05/21/40	Terr	ell			
	2,267,869 12/30/41 L		oel	nr		<u> </u>		
	2,571,372 10/16/51 Mar		Mart	in				
		2,577,227	12/04/51 E	3rer	nt			
		2,714,413	08/02/55 I	lun	ter et al.			
		2,822,840	02/11/58 I	Rey	nolds et al			
		2,856,324	10/14/58	Jano	owski			
		2,865,446	12/23/58	Cole	•			
		- 2,914,122	11/24/59	Pinte	<b>)</b>			
		2,994,370	08/01/61 F	Pinte	0			
		3,007,698	11/07/61	Mac	Donald et al.			
		3,025,964	03/20/62	Som	mers et al.			
		3,032,099	05/01/62	Сгох	cen			
·		3,074,839	01/22/63	May	et al.			· .
		3,077,223	02/12/63 H	lart	sell et al.			
		3,082,141	03/19/63	Stee	ele et al.			
		3,164,507	01/05/65	Mas	uda ————————————————————————————————————		<del> </del>	
		3,165,820			nson		<u> </u>	
		3,189,501	06/15/65	<b>/</b> hi		<u> </u>		<u> </u>
EXAMINER					DATE CONSIDER	ED <sub>. / .</sub>	. /	
	$\rightarrow$	WW I				2/19	104	
◆ EXA	MINER: through	Initial if citation citation if not in	considered, who conformance a	eth and	er or not citation is not considered. In	in conforma	nce with № opy of this	PEP 609; Draw form with next

communication to applicant.

									Sheet 2 of 8
Form PTO-14	49 .		NT OF COMMERC		ATTY. DOCKET NO			SERIAL NO	<b>).</b>
(MODIFIED)		PATENT AND TR	ADEMARK OFFIC		77056- APPLICANT	-359		<u> </u>	
INFO	ORMATI	ON DISCLOSURE	CITATION		ALL ELOVATION	Jace	N. Gree	en et al.	
					FILING DATE		,	GROUP AR	T UNIT
	(Use se	everal sheets if nece	ssary)						
· · · · · · · · · · · · · · · · · · ·		•	U.S. PAT	ΈN	T DOCUMENTS				
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	C	LASS	SUB- CLASS	FILING DATE IF APPROPRIATE
3/1		3,378,429	04/16/68	Obe	da				
		3,384,519	05/21/68 I	Frog	jet				
		3,384,527	05/21/68	Fen	er				
		3,428,515	02/18/69	Lore	entzen				
		3,457,132	07/22/69	Tum	a et al.				
		3,493,450	02/03/70	Judg	ge Jr.				
		3,657,033	04/18/72	Sag	er				
		3,660,195	05/02/72	Hoy	t .				
		3,661,665	05/09/72	Frog	get				
		3,682,752	08/08/72	Hun	ter et al.				
		3,701,376	10/31/72	Frog	get				•
		3,713,954	01/30/73	Clar	k et al.				
	-	3,851,699	12/03/74	Sha	piro				
		3.939,033	02/17/76	Grg	ach et al.				
		3,946,789	03/30/76	Ron	kholz-Tolle				
		3,963,549	06/15/76	Ras	mussen		•		
		4,019,554	04/26/77	Ras	mussen				
		4,039,019	08/02/77	Нор	per				
	<del></del>	4,097,327	06/27/78	Cale	emard				
		4,117,180	09/26/78	DeV	Voskin				
		4,137,111	01/30/79	Han	sen .		_		·
		4,157,719	06/12/79	DeV	Voskin-				·
		4,177,100	12/04/79 I	Pen	nington		•		·
		4,194,550	03/25/80	Нор	per				
		4,224,091	09/23/80	Sag	er				
,		4,256,526	03/17/81	McD	aniel				•
N		4,259,399	03/31/81 I	Hill					
EXAMINER	$\sim$		) <u> </u>		DATE CONSID	ERED	/ 1 -	/ Al .	_
	<u>)</u> 1	my ()	1/h			2	191	04	
• EXA	MINER: through	Initial if citation citation if not in	considered, wh conformance a	eth and	er or not citation not considered.	is in co	nforma any c	ince with Nopy of this	PEP 609; Draw form with next

communication to applicant.

Form PTO-1449	
(MODIFIED)	

Ė

ŧ.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY.	DOCKET	NO.
	7705	6-359

SERIAL NO.

INFORMATION DISCLOSURE CITATION

Jace N. Green et al.

**FILING DATE** 

APPLICANT

**GROUP ART UNIT** 

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
50		4,288,485	09/08/81	Suominen			
	<del></del>	4,311,540	01/19/82	Hill			
		4,333,791	06/08/82	Onishi			
		4,344,474	08/17/82	Berman			
	•	4,346,132	08/24/82	Cheng et al.			
		4,377,431	03/22/83	Chodosh			
		4,386,454	06/07/83	Hopper	·		
		4,394,208	07/19/83	Wang et al.			
		4,400,227	08/23/83	Riemersma			
		4,404,052	09/13/83	Persson et al.			
		4,406,720	09/27/83	Wang et al.			·.
		4,414,045	11/08/83	Wang et al.			
		4,450,027	05/22/84	Colson			
	-	4,478,659	10/23/84	Hall			
		4,491,491	01/01/85	Stumpf			
		4,496,407	01/29/85	Lowery, Sr. et al.			
		4,500,380	02/19/85	Bova			
		4,534,819	08/13/85	Payer et al.			
,		4,535,828	08/20/85	Brockhaus			*
		4,560,427	12/24/85	Flood .			
	· · · · · · · · · · · · · · · · · · ·	4,603,072	07/29/86	Colson	-		
		B1 4,603,072	07/09/91	Colson			
	·	4,605,454	08/12/86	Sayovitz et al.			
		4,610,750	09/09/86	Mango			
		4,631,108	12/23/86	Colson			
		4,631,217	12/23/86	Anderson			
		4,659,614	04/21/87	Vitale			
	_	4,673,600	06/16/87	Anderson			

EXAMMER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

Sheet 4 of 8

Form PTO-14	49	U.S. DEPARTME	NT OF COMMERC	E	ATTY. DOCKET NO.		SERIAL NO	).
(MODIFIED)		PATENT AND TR	ADEMARK OFFIC	E	77056-35	9	<u> </u>	
					APPLICANT	less N. Con		•
INFO	ORMATI	ON DISCLOSURE	CITATION			Jace N. Gre	<u> </u>	
					FILING DATE		GROUP AR	RT UNIT
	(Use se	everal sheets if nece	ssary)					
			U.S. PAT	EN	T DOCUMENTS	-		<b>*</b>
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
27)		4,676,855	06/30/87	And	erson			
		4,677,012	06/30/87	And	erson	<u> </u>		
		4,677,013	06/30/87	And	erson		,	
		4,685,986	08/11/87	And	erson			
		4,686,136	08/11/87	Hon	nonoff et al.			
	<u>-</u>	4,693,771	09/15/87	Pay	et et al.			
		4,711,693	12/08/87	Holze, Jr.			·	
		4,713,132	12/15/87	Abe	l et al.			
		4,732,630	03/22/88	Sch	nebly			
,	<u></u>	4,758,293	07/19/88	San	nida			
		4,767,492	08/30/88	Fuk	usima et al.			
	<del></del>	4,784,892	11/15/88	Sto	ey et al.			
	<del></del>	4,795,515	01/03/89	Kao	et al.			
		4,798,639	01/17/89	Yan	naguchi			
		4,849,039	07/18/89	Col	son et al.			
		4,884,612	12/05/89	Sch	nebly et al.	·		
		4,885,190	12/05/89	Sch	nebly			
		4,895,611	01/23/90	Bry	niarski et al.			
	ļ <del></del>	4,928,369	05/29/90	Sch	nebly et al.			
		4,938,817	07/03/90	Lan	gley			
		4,948,445	08/14/90	Hee	s ·			·
	<del></del>	4,984,617	01/15/91	Cor	ey			
		5,043,038	08/27/91	Col	son			
	,	5,061,331	10/29/91	Gut	e			
		5,078,195	01/07/92	Sch	on			
		5,087,320	02/11/92	Neu	wirth .			
		5,104,469	04/14/97	Col	son .,			
EXAMINER	7	(			DATE CONSIDER	RED /		<u></u>
,	$\stackrel{\sim}{\rightarrow}$	in (	Wh		2	/19/0	4	
• EXA	MINER:	Initial if citation	considered, wh	eth	er or not citation is	in conforma	ance with N	PEP 609; Draw
		n citation if not in tion to applicant.		anc	not considered. In	iciude any c	opy or this	IOIIII WILII NEAL



·							heet 5 of 8
Form PTO-14	149		NT OF COMMERCE	ATTY. DOCKET NO		SERIAL NO	<b>).</b>
(MODIFIED)	•	PATENT AND IR	ADEMARK OFFICE	APPLICANT	333		
INFO	ORMATI	ON DISCLOSURE	CITATION	74 1 2.07 41	Jace N. Gree	en et al.	•
				FILING DATE		GROUP AR	T UNIT
	(Use se	everal sheets if nece	ssary)	•			
			U.S. PATE	NT DOCUMENTS		•	
EXAMINER	··· <u>-</u> ··	DOCUMENT		<u> </u>		SUB-	FILING DATE
INITIAL	REF	NUMBER	DATE	NAME	CLASS	CLASS	IF APPROPRIATE
QA		5,106,444	04/21/92 C	orey et al.			
30		5,120,376	<del></del>	ong			
		5,151,151	09/29/92 Ka	ao et al.			
		5,158,632		olson et al.	···		
	<u> </u>	5,167,740		chaelis et al.			
		5,188,160		elic			
		5,205,334	·				
		5,205,891		eff		<del> </del>	
		5,228,936		oodhue			
	<u> </u>	5,232,529		iyake			<del> </del>
		5,287,908		offmann et al.			<del></del>
		· · · · ·		uggles et al.			
		5,308,435		olson et al.			
		5,313,998			<u> </u>	<u> </u>	
		5,313,999		olson et al.		<del> </del>	
		5,320,154		olson et al.			
		5,339,882		dkins			
		5,339,883		olson et al.	<del>  </del>		
		5,392,832		olson et al.		· ·	
	-	5,394,922	· · · · · · · · · · · · · · · · · · ·	olson et al			
		5,419,385		ogel et al.		<u> </u>	
	,	5,441,592		uggles et al.			
		5,454,414		olson et al.			
		5,456,304	10/10/95 C	olson et al.			
		5,482,750	01/09/96 C	olson et al.			
		5,490,553	02/13/96 Cd	olson et al.			
		5,558,925	09/24/96 Fr	itzman			
		5,603,369	02/18/97 Cd	olson et al.			
4	2	5,620,035	04/15/97 Ju	dkins		],	
EXAMINER		^	7	DATE CONSIDE	ERED /	}	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

A STATE OF
E
P

JNIT	ATION
RANSL	<del>"</del>
<del></del>	<del>"</del>
<del></del>	<del>"</del>
<del></del>	<del>"</del>
X	
-	-
	•
· 609;	Draw
m with	next
	2 609; n with

001.1048373



			•					S	h <u>eet 7</u> o	f 8
Form	PTO-14	49	U.S. DEPARTME	NT OF COMMERC	E	ATTY. DOCKET NO.	· · · · · · · · · · · · · · · · · · ·	SERIAL NO		-
(MOE	)IFIED)		PATENT AND TR	ADEMARK OFFIC	Ε	77056-35	9			
•	•			•		APPLICANT		<del>'</del>	<del> </del>	
	INFO	RMAT	ION DISCLOSURE	CITATION			Jace N. Gre	en et al.		
						FILING DATE		GROUP AR	T UNIT	<del></del>
		(Use s	everal sheets if nece	ssary)						
				FOREIGN P	ΤΑ	ENT DOCUMENTS				·
	· · · · · · · · · · · · · · · · · · ·	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUB- CLASS	, TRANS	NO
5/	<b>3</b>		549,216 B1	03/05/84	Eur	ope				
			566,355 A1	04/13/93	Eur	ope				
			654 577 A1	10/15/94	Eur	ope				
			742 339 A2	11/13/96	Eur	ope	<u> </u>			
			1,166,398	11/05/58	Frai	nce	<u> </u>			
			1,309,194	10/08/62	Frai	nce				
			1,364,674	10/23/64	Frai	nce				
			1,373,515	01/08/65	Frai	nce	<u> </u>			· -
-			1,381,472	03/19/65	Frai	nce				
			1,465,261	11/28/66	Fra	nce				
		,	1,480,262	04/03/67	Fra	nce				,
			1,521,488	03/11/68	Frai	nce	.		Х	
			1,526,507	04/16/68	Frai	nce				
			1,568,745	04/21/69	Frai	nce			·	
			1,585,159	01/09/70	Fra	nce				
			2,398,170	07/29/77	Frai	nce				
			7,805,464	05/19/78	Net	herland .				
	<u> </u>		6,706,563	11/11/68	Net	herland			· · · · · · · · · · · · · · · · · · ·	
			1368189 A	01/23/88	Sov	riet Union			<u></u>	<u> </u>
			951,484	03/04/64	Uni	ted Kingdom				
·			988,064	04/0765	Unit	ted Kingdom			<u>.</u>	ļ 
			1,228,677	04/15/71	Unit	ted Kingdom				
·			1,036,126			ted Kingdom				<u> </u>
			1,116,934	06/12/66	Unit	ted Kingdom				
			1,308,296	02/28/73	Unii	ted Kingdom	<u></u>	1		
EXA	MINER	5	www	08		DATE CONSIDER	ED 2/	19/00		

 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

Sheet 8 of

Form DTO 4	140	U.O. DEDADTME	AT OF COMMEDCE	ATTY. DOCKET NO		SERIAL NO	neet 8 o	8
Form PTO-14			NT OF COMMERCE	77056-	i i	OLIVIAL NO	•	,
(MODIFIED)		PATENT AND IR	ADEMARK OFFICE	APPLICANT			<del></del>	
, INE	NÓRA ATL	ON DISCLOSURE		APPLICANT	Jace N. Gree	n et al		
		ON DISCEOSURE	CITATION	SILINO DATE			TIMIT	
				FILING DATE		GROUP AR	IUNII	
	(Use se	everal sheets if nece	ssary)	•	·			
			FOREIGN PA	TENT DOCUMENTS		<del></del>		
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	YES	LATION NO
3/		1,228,677	04/15/71 Un	ited Kingdom				
		1,494,842	12/14/77 Un	ited Kingdom				
1		2,226,054A	06/02/90 Un	ited Kingdom				
,		WO 80/02712	12/11/80 PC	т				
W.		WO 91/10566	07/25/91 PC	T.				,
,						·		·
<del></del>								,
_					<b>*</b>		<u> </u>	
_								
				· <u></u>				
•				<u> </u>	·			
							,	
							<u></u> -	·
						·		
•				·				
				······································				
							<u></u>	
							· · · · · · · · · · · · · · · · · · ·	
				·				
				<u> </u>				
EXAMINER		MM /	01	DATE CONSIDE	RED / Id	124		
⋄ EXA	MINED.	Initial if citation	considered whet	her or not citation i		nce with M	PEP 600	): Draw!
line	through	citation if not in	conformance an	d not considered.	Include any co	py of this	form wi	th next
com	municat	ion to applicant.	·					·